

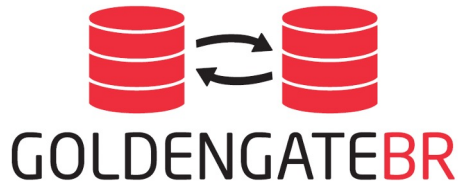


GOLDENGATEBR

Consultoria & Treinamentos

GUOB TECH DAY 2023

12/08/2023
São Paulo - SP



Consultoria & Treinamentos



Mundo APEX
DESENVOLVIMENTO,
CONSULTORIA E TREINAMENTO



moutsTI



DBASeed






Gilson Martins



17 anos de experiência na área de TI

15 anos focado em administração de banco de dados e tecnologias Oracle

Consultor de GoldenGate há 11 anos e Instrutor há 5 anos

Host no GoldenTalks e Golden Tips  **YouTube** /@GoldenGateBR

Alta disponibilidade com Grid Infrastructure, RAC, Data Guard, GoldenGate,

Migração e Replicação de Dados

Certificações Database OCP 10g / 11g / 12c

Certificações OGG 11g / 12c

Atualmente → Engenharia de Dados, DevOps e BigData

Coordenação GUOB

Coordenação DBA Brasil



Porque o Oracle GoldenGate é Caro?



Você já ouviu ou até já falou...

O GoldenGate está lento!

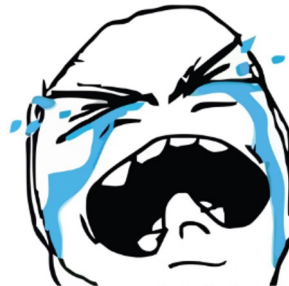
O GoldenGate abendou / parou / travou...

O GoldenGate está com LAG...

O GoldenGate não replicou...

O GoldenGate é cheio de Bug...

O GoldenGate é caro!



Oracle GoldenGate

Como você utiliza o GoldenGate atualmente?

Replicação **Unidirecional**?

Replicação **Bidirecional**?

Replicação **Heterogênea**?

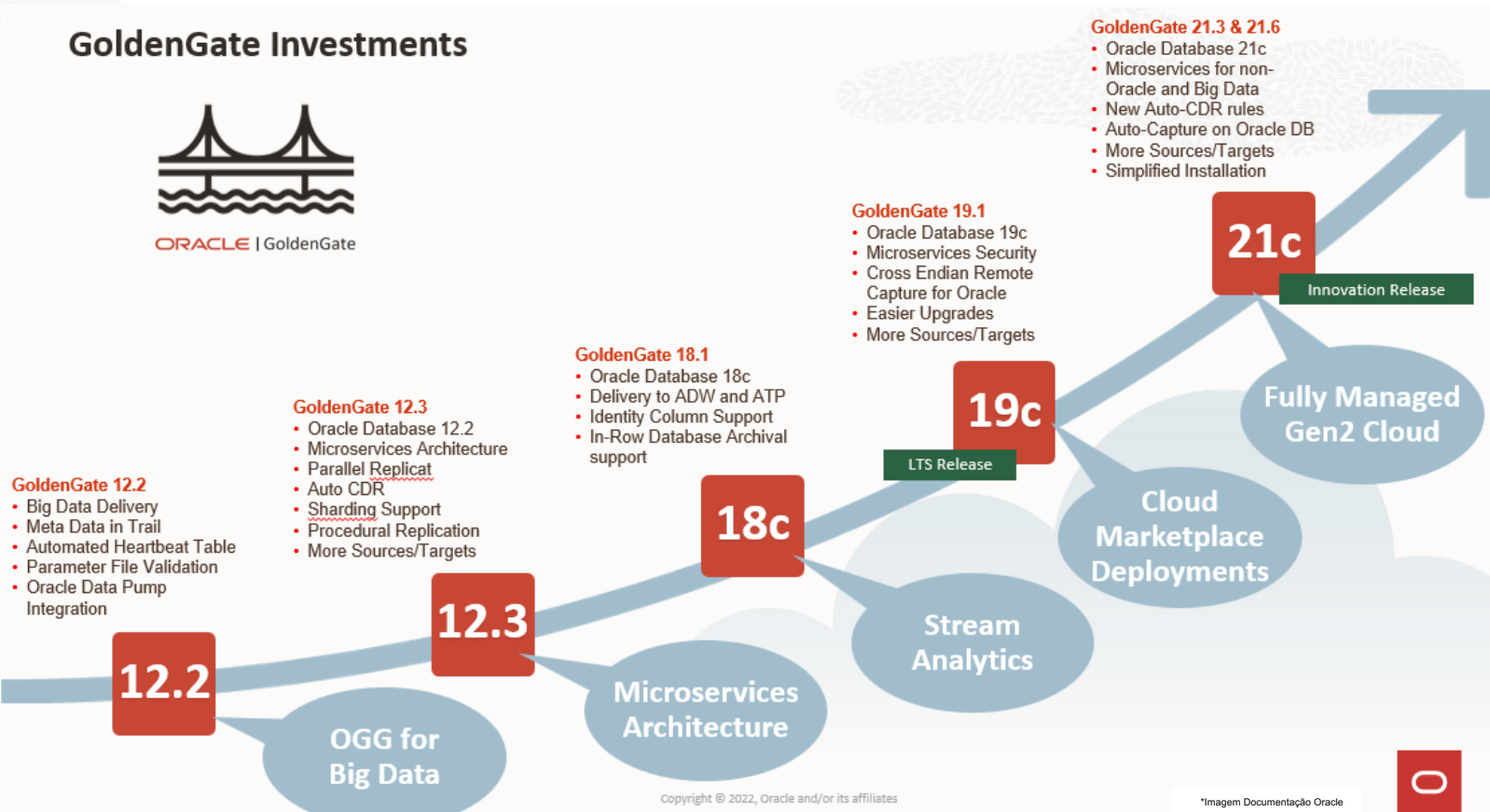
Replicação com **Big Data**?

Replicação com **Transformação de Dados**?

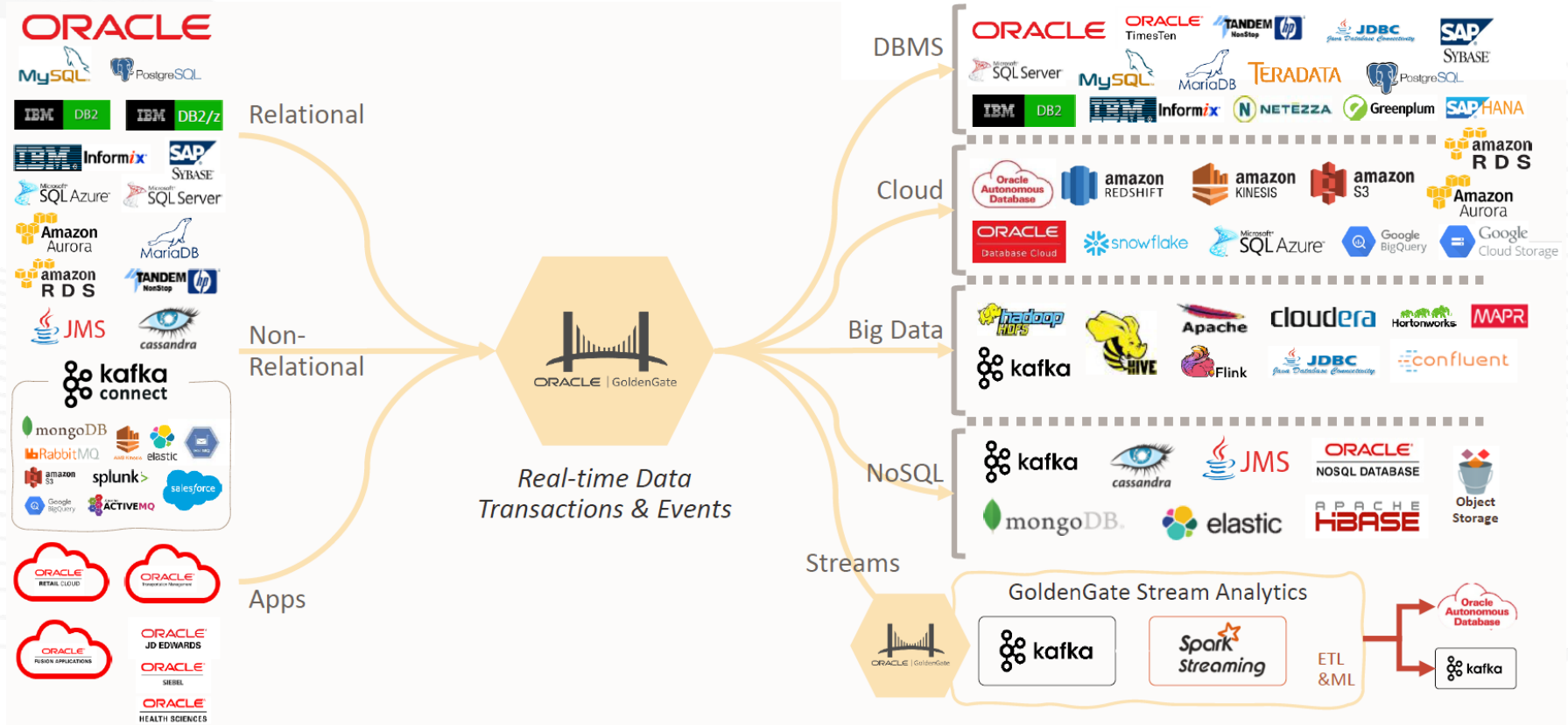


Oracle GoldenGate

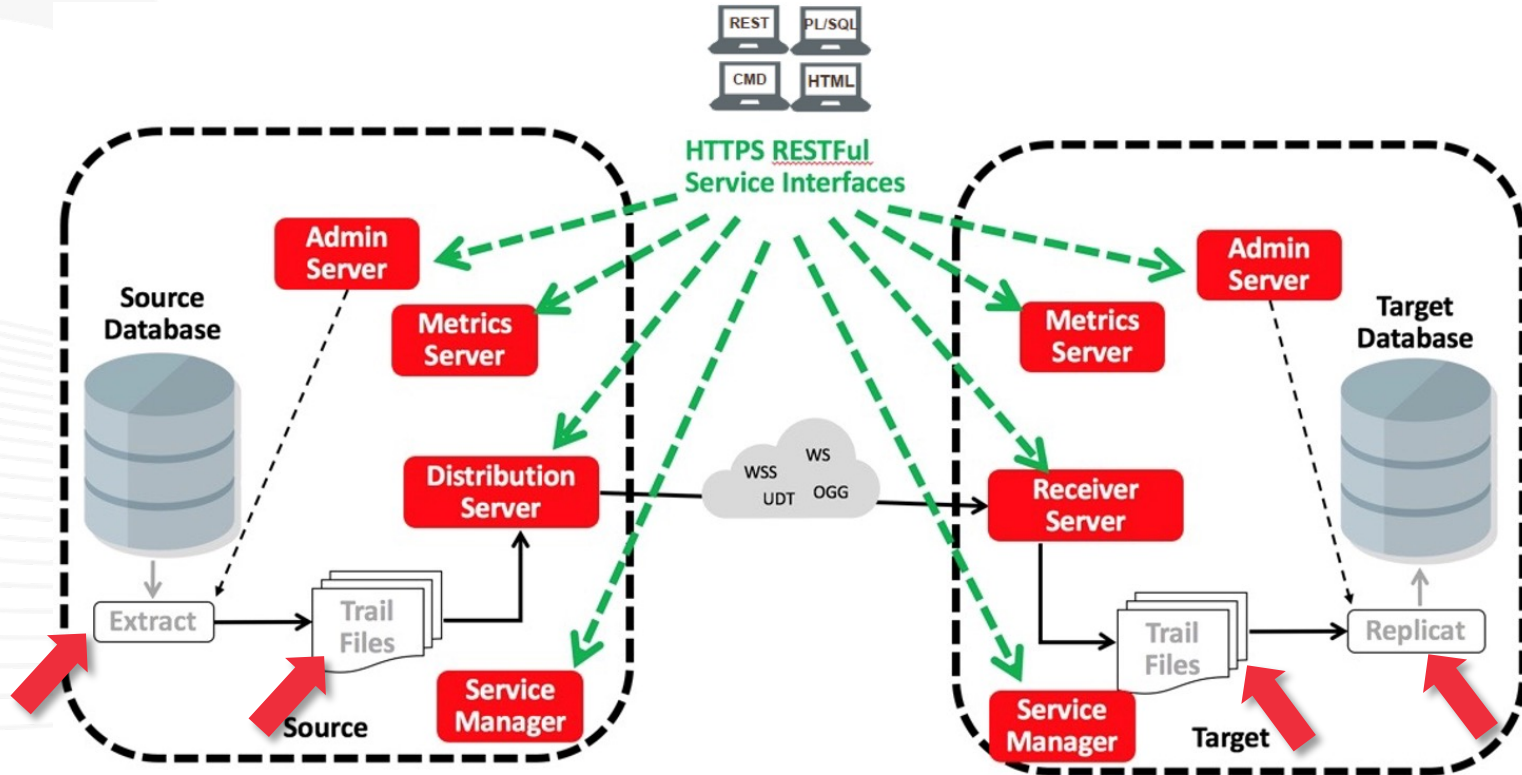
GoldenGate Investments



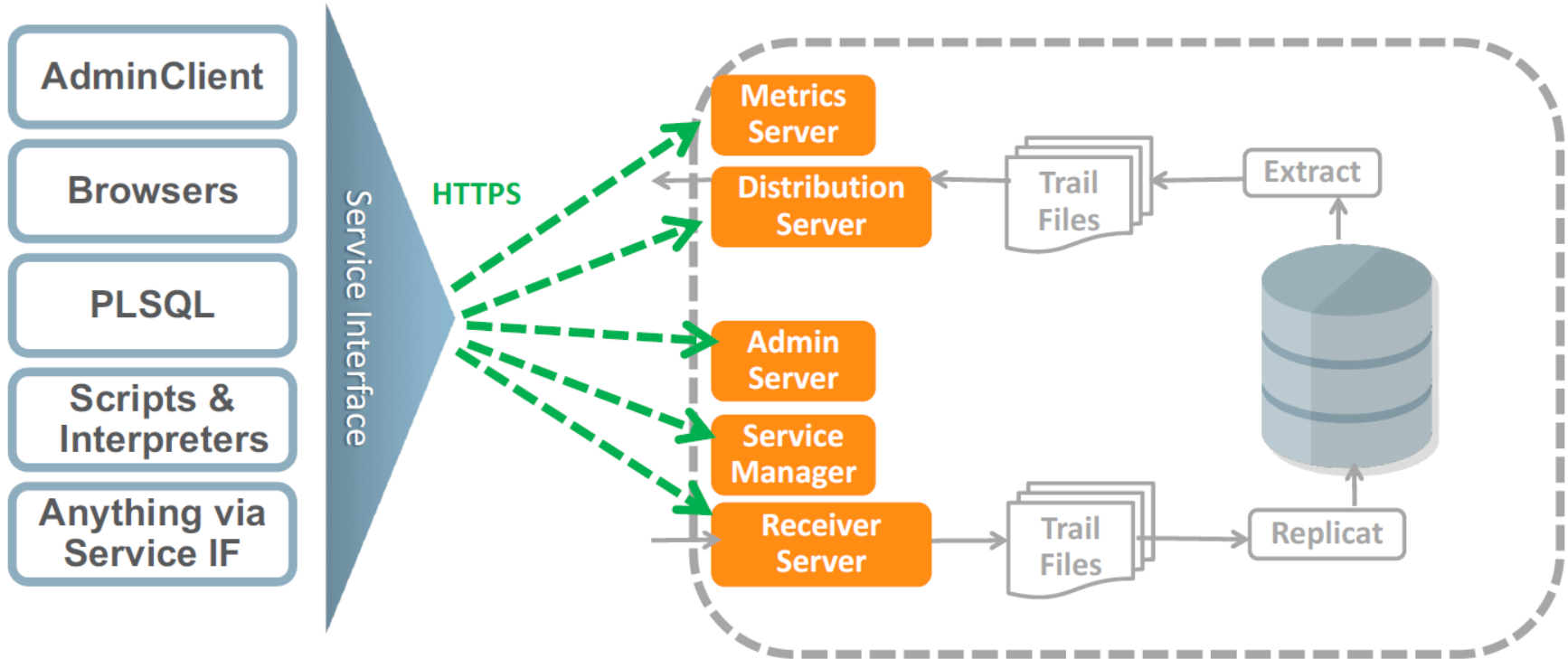
Oracle GoldenGate



Oracle GoldenGate Microservices



Oracle GoldenGate Microservices

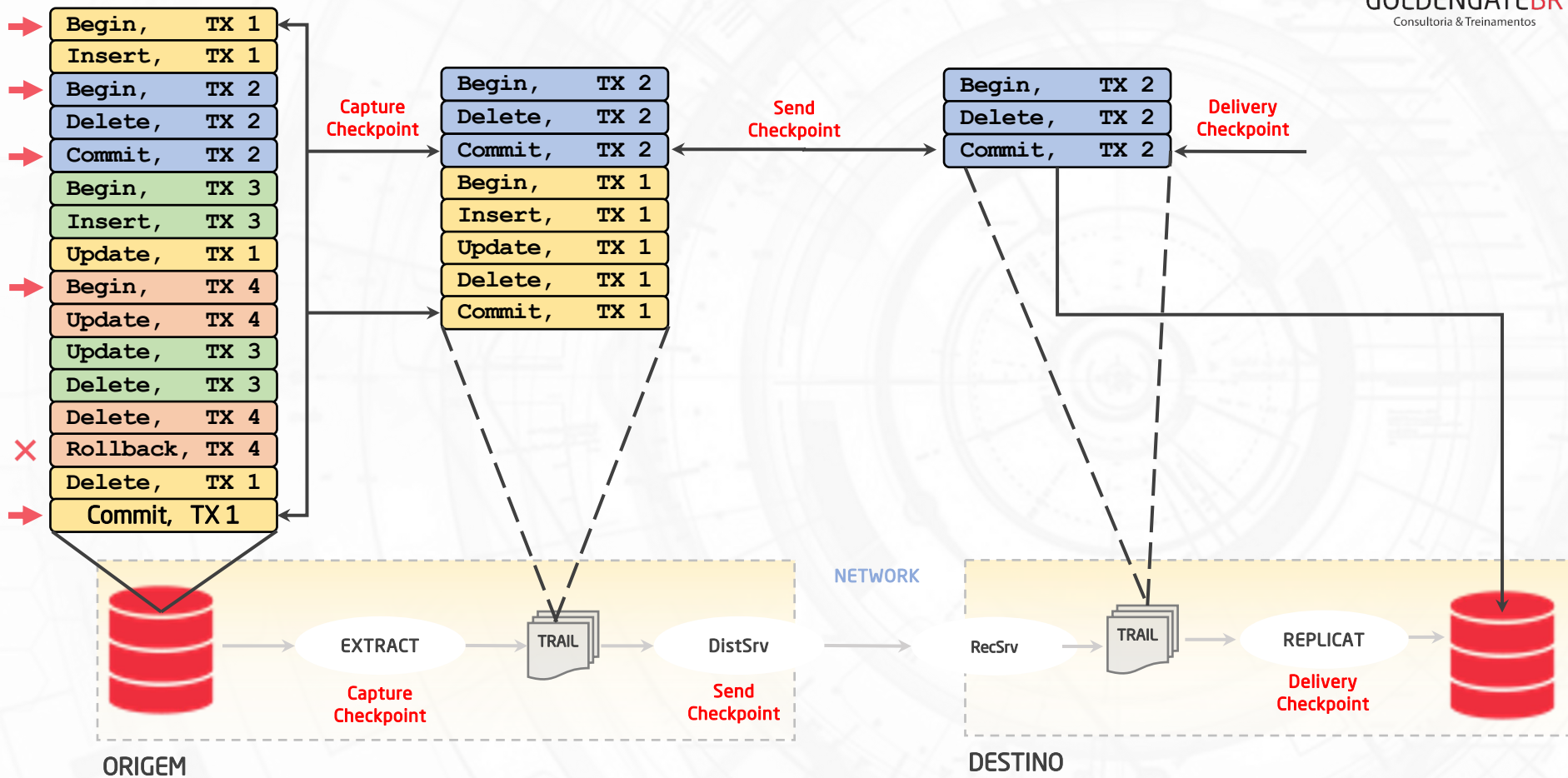


Oracle GoldenGate Microservices

Permite que aplicações automatizem os deploys do OGG:




O GoldenGate é confiável?



Oracle GoldenGate

Oracle GoldenGate technology includes the following separately licensed products:

- Oracle GoldenGate
- Oracle GoldenGate for Non-Oracle Database 
- Oracle GoldenGate for Mainframe
- Oracle GoldenGate for Teradata Replication Services
- Oracle GoldenGate Application Adapters
- Oracle GoldenGate Veridata
- Oracle GoldenGate for Big Data
- Oracle GoldenGate Foundation Suite
- Third-Party Products and Details for Oracle GoldenGate Monitor
- Third-Party Products and Details for Oracle GoldenGate Studio

1.2 Oracle GoldenGate

Oracle GoldenGate provides the ability to capture and deliver database transactions for Oracle databases. This allows the use of Extract and Replicate on an Oracle database.

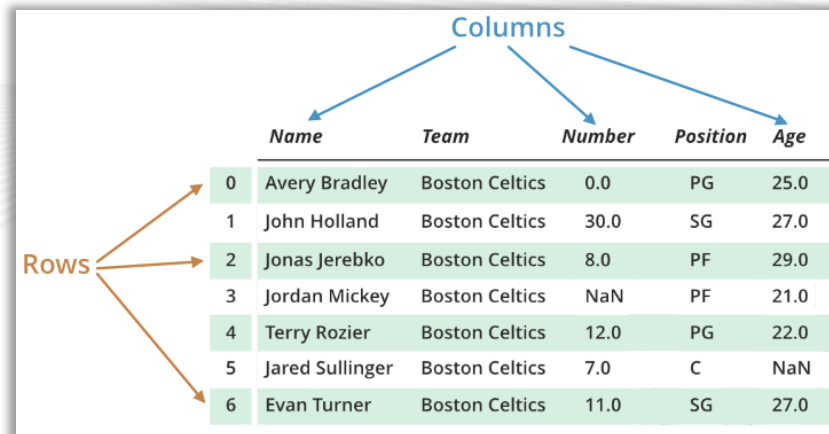
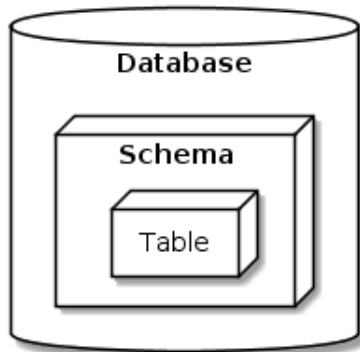
A license to Oracle GoldenGate includes a license to Oracle Active Data Guard and Oracle XStream, subject to the following prerequisite.

Prerequisite: A license to Oracle Database Enterprise Edition is a prerequisite to license and use Oracle Active Data Guard or Oracle XStream.

Restricted use: A license to Oracle GoldenGate includes a restricted-use license to Oracle GoldenGate for Big Data (GGBD). Use of GGBD is restricted to: (i) the JMS functionality used solely for enabling communication from Oracle GoldenGate to separately licensed Oracle Coherence Grid Edition deployments; and/or (ii) the Kafka functionality used solely for enabling communication from Oracle GoldenGate to separately licensed Oracle Stream Analytics deployments.

GoldenGate Transformação de Dados

- Database, Schemas, Tabelas, Colunas, Registros



A diagram showing a table with columns and rows. The word "Columns" is at the top with arrows pointing to the column headers: Name, Team, Number, Position, and Age. The word "Rows" is on the left with arrows pointing to the row numbers: 0, 1, 2, 3, 4, 5, and 6.

	<i>Name</i>	<i>Team</i>	<i>Number</i>	<i>Position</i>	<i>Age</i>
0	Avery Bradley	Boston Celtics	0.0	PG	25.0
1	John Holland	Boston Celtics	30.0	SG	27.0
2	Jonas Jerebko	Boston Celtics	8.0	PF	29.0
3	Jordan Mickey	Boston Celtics	NaN	PF	21.0
4	Terry Rozier	Boston Celtics	12.0	PG	22.0
5	Jared Sullinger	Boston Celtics	7.0	C	NaN
6	Evan Turner	Boston Celtics	11.0	SG	27.0

GoldenGate Transformação de Dados

- Database, Schemas, Tabelas, Colunas, Registros
- Mascaramento de Dados (ex.: PCI)

ID	Nome	Sobrenome	Idade	Telefone	Email	Tarjeta
102	José	da Silva	30	11981431452	j.silva@gmail.com	4251351351132520
103	Maria	Aparecida	42	83767452417	maria.a.72@hotmail.com	3245097684930210
104	Marcos	Pelizer	33	13811337489	mpeliezer@gmail.com	1987465748392830
105	Isadora	Martins	25	11997452452	isamartins@bol.com.br	5457464534253640

OGG

ID	Nome	Sobrenome	Idade	Telefone	Email	Tarjeta
102	José	da Silva	30	11981xxxx52	j.silva@gmail.com	425135*****2520
103	Maria	Aparecida	42	83767xxxx17	maria.a.72@hotmail.com	324509*****0210
104	Marcos	Pelizer	33	13811xxxx89	mpeliezer@gmail.com	198746*****2830
105	Isadora	Martins	25	11997xxxx52	isamartins@bol.com.br	545746*****3640

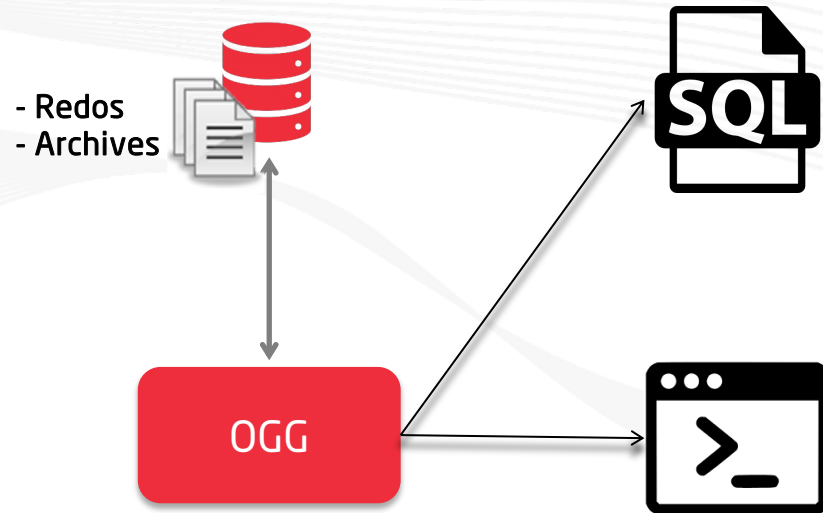
● GoldenGate Transformação de Dados

- Database, Schemas, Tabelas, Colunas, Registros
- Mascaramento de Dados (ex.: PCI)
- Utilização de Tokens e User Tokens

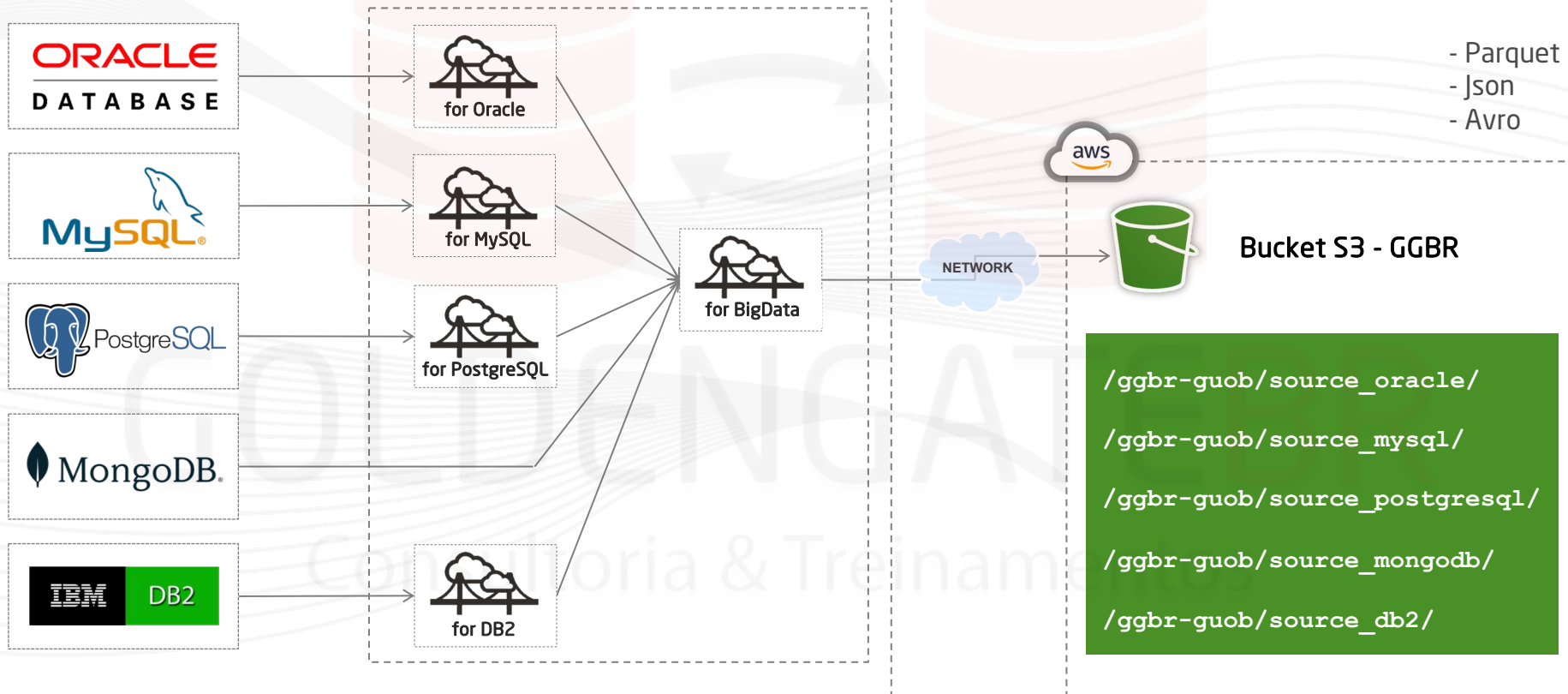
```
MAP ora.oratest, TARGET ora.rpt,  
COLMAP  
(  hostname = @token ('tk_host')  
  , gg_group = @token ('tk_group')  
  , osuser   = @token ('tk_osuser')  
  , domain  = @token ('tk_domain')  
  , ba_ind   = @token ('tk_ba_ind')  
  , commit_ts = @token ('tk_commit_ts')  
  , pos      = @token ('tk_pos')  
  , rba      = @token ('tk_rba')  
  , tablename = @token ('tk_table')  
  , optype   = @token ('tk_optype')  
);
```

GoldenGate Transformação de Dados

- Database, Schemas, Tabelas, Colunas, Registros
- Mascaramento de Dados (ex.: PCI)
- Utilização de Tokens e User Tokens
- Executar funções no BD ou SO



Plataforma GoldenLabs



QUANTO MAIS SUOR DERRAMADO EM
TREINAMENTO, MENOS SANGUE
SERÁ DERRAMADO EM BATALHA.

- DALE CARNEGIE

"A prática leva a perfeição, pratique, pratique, pratique..."

Nós da **GoldenGateBR** respiramos **Migração, Replicação e Ingestão de dados 24x7!**

Está precisando de apoio na sua empresa?

Entre em contato conosco que ajudamos vocês!



goldengatebr.com.br



contato@goldengatebr.com.br

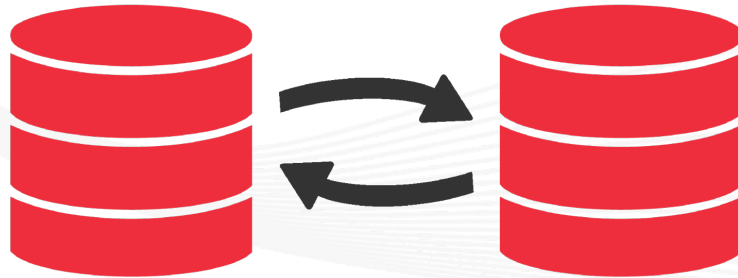


(11) 99844-2531

Perguntas ?



Obrigado!



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